



Bharatiya Vidya Bhavan's  
**Sardar Patel College of Engineering**  
(Government Aided Autonomous Institute Under Mumbai University)



## **MECHANICAL ENGINEERING DEPARTMENT**

### **Computer Programming**

### **MINI PROJECT EXHIBITION REPORT 2023**

Date: 6<sup>th</sup> July, 2023

Venue: Main Seminar Hall, Sardar Patel College of Engineering

Time: 2.00pm – 4.00pm

The students of the First Year Division B had done their mini projects under the guidance of Prof. Sharad Valvi and exhibited them to all the faculty of SPCE on 6<sup>th</sup> July 2023.

The Mini Project exhibition was held to give ideas about Sensor, Arduino projects, which are the current age and future requirements in our daily life.

The chief guest for this exhibition was Dr. R S Maurya (Head Department of Mechanical Engineering) and Dr. Shyamlee Solanki (Head of Department, First Year), SPCE. The exhibition started at 02:00 p.m. and was open to all the faculties and students of the college. The event was hosted by Atharva Joshi (CR Div-B). The Head of the Mechanical Engineering Department & First Year Department gave a commencement speech. It announced that all the participants would be given certificates to motivate students in their four years journey on the college campus. Also a cash prize of ₹5000 for winner, ₹3000 for 1<sup>st</sup> Runner-Up and ₹2000 for 2<sup>nd</sup> Runner-Up would be given.

As the exhibition started, various students presented their projects to

Dr. R S Maurya, Dr. Santosh Rane, Dr. B.N. Bhasme, prof.Kunal, Prof.Haseen Shaikh from mechanical department, Prof.Vishal Dake and Prof. Rahul Chavan from the electrical department, and Dr. Jayram Gholave from the chemistry department went around looking at the different models designed by the students. They assessed the descriptions given by the students.

Students were given three months, divided into groups of 4 and allowed to choose their own topics for the mini project. On every step of the mini project, Prof. Sharad Valvi helped the students a lot and gave us suggestions so that the project became more effective. Students used their full knowledge of computer programming (CPP Language) to do practical tasks. Even all the groups had

prepared an individual group report, which consisted of the code which was written to run the mechanism, the photos of the components used for the project, and the group photo.

A proper arrangement was made for the students to present their projects, organized by the Class Representatives of Division B, Atharva Joshi and Nikhil Vishwakarma. A motivating speech was given by Dr.Santosh Rane and Dr. R S Maurya HOD mechanical. All the faculty members of the Mechanical department were present there, and their presence made this event more special for the first-year students. Their feedback and guidance would surely help students for their future projects.

This initiative taken by Prof. Sharad Valvi was very helpful for first year students because they learned new things and learned about computer programming and artificial intelligence language.

### Group & Project Details

Sr.No	Group Member 1	Group Member 2	Group Member 3	Group Member 4	Project Topic:
1.	Sahil V. kale	Rajvardhan Jangam	Om S. Rathod	Mayank S. Kochar	Alcohol sensing machine
2.	Atharva Joshi	Sarith Dutta	Mrunak Kamble	Vinayak Kunnathully	Braille Pad
2.	Malhar Tushar Takawale	Abhishek Shankar Rajpure	Aniruddh Mangesh Nalli	Paras Deepak Malwal	Dual axis solar tracker
3.	Revati Vyas	Koushik Mahapatra	Samruddhi Sangle	Samruddi Bodhe	Air quality index and temperature monitor
4.	Hitanshu Singh	Enrico Rodrigues	Aditya Pandit	Aarya Kulkarni	Drone
5.	Disha Sadashiv Deore	Arpita Kamble	Sanika	Chaitrali Marathe	Joystick control car
6.	Nikhil Vishwakarma	Ajay Ade	Vaishnavi Gaikwad	Kruti Jharbade	Wire Bending Machine
7.	Rashmi Pawar	Ayush Gurao	Ankit Tembhurkar	Prashasthi Shetty	Protection from Rain and Hailstones
8.	Reeya Rangari	Riya Ekare	Mishti Singam		Gas Leakage Detection System
9.	Aditya Nalavade	Aditya Kumbhar			Automatic Light
10.	Durvesh patil	Om jaiswal	Sidhatej Desai	Aditya duddalwar	Smart street lights
11.	Shwet Jadhao	Sachin Shah	Maitrey Mohite	Siddharth Joglekar	Ferromagnetic mineral detector

12.	Mukul Pramod Dhake	Piyush Fulchand Jamkar	Prem Abhijit Murade	Rajat Sharadrao Kamble	Missile Launcher
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Munshi Nagar, Andheri (W), Mumbai 400058.

**MINI PROJECT EXHIBITION**  
**FIRST YEAR DIV-B 2022-2026**  
**ON**  
**'Arduino and sensor projects'**

Date: 6th July, 2023  
Venue: Room no. 119  
Time: 2 to 4 pm

**WARM GREETINGS TO ALL**

Organised by MECHANICAL and FIRST YEAR engineering department



Event hosted by Atharva Joshi (Cr Div-B )



Inauguration speech by Dr. Ramsubhash Maurya HOD Mechanical, SPCE



Motivational speech by Dr. Shyamlee Solanki , HOD- First Year, SPCE

## Winners of the Exhibition



For: Braille Pad



For: Wire Bending Machine

### 1<sup>st</sup> - Runner-Up



For: Protection from Rain and Hailstones & Ferromagnetic mineral detector

### 2<sup>nd</sup> - Runner-Up



For: Drone & Dam Gate







Dr. Shyamlee Solanki

**HEAD OF DEPARTMENT  
FIRST YEAR**

Prof. Sharad Valvi

**FACULTY IN-CHARGE  
MECHANICAL ENGINEERING**

Dr. R S Maurya

**HEAD,  
MECHANICAL ENGINEERING**